

Jamestown

Plainville

B. E. Rogers

Feb. 26, 1960

**PLAINVILLE WATER CO. PROBLEM**

1. Since the last meeting on Feb. 11, 1960 with the Plainville Water Co. we have not heard from them. They were to advise us when they had information available to discuss the matter of expenses and damages as requested by Mr. Williams.

2. Since the Feb. 11th meeting we have sent the following samples to Jamestown laboratory for analysis -

- One sample from water company 10" well.
- One sample from water company 16" well.
- One sample from 8" well #5 sent via H. Kindler Feb. 25th.
- One sample from 2" test well from a depth of 17'
- One sample from 2" test well at a depth of 32'

The last two samples are being sent via Mr. E. J. McAvay on Feb. 26th.

To date we have had no reports from the Jamestown laboratory on samples submitted other than copy of Ray Johnson's report which accompanied H. Kindler's personal note to the writer dated Jan. 25th. I feel that we need to set up a procedure for obtaining test results at Plainville and getting this information to Plainville.

3. Under the appropriation authorized for construction of one 8" test well, we have put down 5 holes at various locations according to the enclosed map. The first 4 proved to be of little value since they ran into very fine sand and silt at such levels that a satisfactory well could not be properly developed. This fine material overlies the red clay layer. Well #5 seems to be the most satisfactory and at present is being pumped at approximately 100 gals. per minute and should produce 150 gals. per minute on a continuous basis.

We have placed two 2" test wells south of #5 between the road and the river and these are being pumped at the present time at approximately 60 gals. per minute. One well is at a depth of 17', the other down to a depth of 32'. All three wells being pumped are showing heavy detergent content as indicated by the foaming which takes place at the pipe discharge. There is also considerable odor present in the samples from the three wells. The shallowest of the 2" test wells shows the greatest amount of odor.

It is recommended that well #5 be developed as a permanent source of water for plant usage providing that the samples sent to the laboratory do not indicate such heavy concentrations of undesirable material as to prevent its use in plant process and boiler water makeup.

It is also recommended that if the water from well #5 is satisfactory for plant use, that a second 8" well be placed between well #5 and the brook water filtration house. These two wells would provide sufficient capacity for all plant process water requirements. We feel that they will also have a very definite effect on lowering detergent content of the underlying water

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reservoir and will therefore be beneficial in correcting the problem which we have with the Plainville Water Co.

4. Quotations are being obtained at the present time from concerns building treatment equipment for the condensate from the steam hammer operation. As soon as sufficient bids are obtained, an appropriation request will be made.

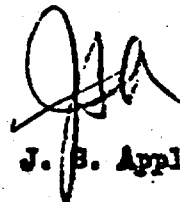
5. Equipment manufacturers have been contacted in reference to equipment needed for the process of a treatment plant for the wastes now going into the company lagoon. Design of this treatment plant is progressing and plans will be submitted to the State Water Resources Commission for their comments and approval.

6. The large lagoon at the present time due to the heavy precipitation is at a peak level and some seepage is noted across the parking lot area and flowing towards the river. We have found it necessary to pump some material from the #1 lagoon into the #2 lagoon to prevent flooding of low areas of the Forge Shop. The material pumped into the #2 lagoon seems to be absorbing in the ground at a more rapid rate since pumping has been started on the #5 8" well and the two 2" test wells.

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J. B. Appleyard

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